Attorney Docket No.: 8E07.1-070

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re applica	tion of: EMS Technologies, Inc.)	
Serial No.:	Filed Herewith)	Group Art Unit: unknown
File Date:	August 28, 2003)	Examiner: unknown
Inventor(s):	JANOSCHKA, Darin N.)	
CANT	R-TYPE PHASE SHIFTER WITH ILEVERS SHOE AND -POLARIZATION ANTENNA WITH :N PHASE SHIFTERS)	

INFORMATION DISCLOSURE STATEMENT

Mail Stop: IDS

Commissioner for Patents

PO Box 1450

Alexandria, Virginia 22313-1450

August 28, 2003

Sir:

In accordance with 37 C.F.R. § 1.56, Applicant submits herewith form PTO-1449 disclosing all known documents material to patentability for the application identified above. Applicant respectfully requests consideration of the cited documents and making the same of record in the prosecution of this U.S. application. Copies of these documents are enclosed.

No fee is believed to be due, as this Information Disclosure Statement is submitted before receipt of this application's first Official Action on the merits. 37 C.F.R. § 1.97(b)(3). However, if the United States Patent and Trademark Office finds that a fee is due, please charge to deposit account no.: 50-2591

Attorney Docket No.: 8E07.1-070

Respectfully submitted,

Michael J. Mehrman Registration No.: 40,086

MEHRMAN LAW OFFICE, P.C. One Premier Plaza 5605 Glenridge Drive Suite 795 B, Box 8 Atlanta, Georgia 30342

Tel: (404) 497-7400 Fax: (404) 419-7405

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Mailing Label No.: EV 359500866 US in conjunction with a US Non-Provisional Patent Application in an envelope addressed to: Mail Stop IDS, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the date indicated below:

Mailing Date: August 28, 2003

Signature: Augustus Augustus Paris

Teri L. Bonica

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known			
INFORMATION DISCLOSURE					Application Number	Filed Herewith	
STATEMENT BY APPLICANT				Filing Date	August 28, 2003		
			I LIOAN	First Named Inventor	JANOSCHKA, Darin N.		
				Group Art Unit	unknown		
		(use as many she	ets as	necessary)	Examiner Name	unknown	
	Sheet	1	of	1	Attorney Docket Number	8E07.1-070	

U.S. PATENT DOCUMENTS						
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	
Initials *		Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear	
		US-5,917,455	06/29/1999	HUYNH, et. al.		
		US- 6,005,522	12/21/1999	ARIAS et. al.		
		US- 2003/0076198 A1	04/24/2003	PHILLIPS, et. al.		
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
	1	US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-	•			
		US-				
	Ť ·	US-				

		FOREIGN PA	TENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Applicant of Cited		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		JP 58-075901	05/07/ 1983	YAMAMOTO OSAMU	Abstract of Japan	
		JP 58-075901	05/07/ 1983	YAMAMOTO OSAMU	Japanese Translation	
		JP 06-326501	11/25/ 1994	ELECTRIC IND LTD	Abstract of Japan	
		JP 10-013103	01/16 1998	N T T IDO TSUSHINMO KK NIPPON DENGIYOU KOSAKU KK	Abstract of Japan	
····						

Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.